



RAW SEQUENCE LISTING ERROR REPORT

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Application Serial Number: 09/804 733D
Source: 1.Fw/b
Date Processed by STIC: 3/24/04

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FOR CRF SUBMISSION AND PATENT IN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

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Revised 10/08/03



IFW16

RAW SEQUENCE LISTING

DATE: 03/24/2004

PATENT APPLICATION: US/09/804,733D

TIME: 15:55:24

Input Set : D:\Mons016.app

Output Set: N:\CRF4\03242004\I804733D.raw

3 <110> APPLICANT: WANG, QI ET AL.
 5 <120> TITLE OF INVENTION: RECOMBINANT PROTEINS CONTAINING REPEATING UNITS
 7 <130> FILE REFERENCE: MONS:016US
 9 <140> CURRENT APPLICATION NUMBER: 09/804,733D
 10 <141> CURRENT FILING DATE: 2001-03-13
 12 <150> PRIOR APPLICATION NUMBER: 06/188,990 60/188,990
 13 <151> PRIOR FILING DATE: 2000-03-13
 15 <160> NUMBER OF SEQ ID NOS: 31
 17 <170> SOFTWARE: PatentIn Ver. 2.1
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 5
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Euthynnus pelamis
 24 <400> SEQUENCE: 1
 25 Leu Lys Pro Asn Met
 26 1 5
 29 <210> SEQ ID NO: 2
 30 <211> LENGTH: 4
 31 <212> TYPE: PRT
 32 <213> ORGANISM: Euthynnus pelamis
 34 <400> SEQUENCE: 2
 35 Lys Pro Asn Met
 36 1
 39 <210> SEQ ID NO: 3
 40 <211> LENGTH: 4
 41 <212> TYPE: PRT
 42 <213> ORGANISM: Euthynnus pelamis
 44 <400> SEQUENCE: 3
 45 Val Val Tyr Pro
 46 1
 49 <210> SEQ ID NO: 4
 50 <211> LENGTH: 15
 51 <212> TYPE: DNA
 52 <213> ORGANISM: Artificial Sequence
 54 <220> FEATURE:
 55 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 56 Primer
 58 <220> FEATURE:
 59 <221> NAME/KEY: modified_base
 60 <222> LOCATION: (3)..(9)
 61 <223> OTHER INFORMATION: N = A, C, G or T/U
 63 <400> SEQUENCE: 4
 64 ctnaarccna ayatg

W-->

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RAW SEQUENCE LISTING

DATE: 03/24/2004

PATENT APPLICATION: US/09/804,733D

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Input Set : D:\Mons016.app

Output Set: N:\CRF4\03242004\I804733D.raw

67 <210> SEQ ID NO: 5
 68 <211> LENGTH: 60
 69 <212> TYPE: DNA
 70 <213> ORGANISM: Artificial Sequence
 72 <220> FEATURE:
 73 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 74 Primer
 76 <220> FEATURE:
 77 <221> NAME/KEY: modified_base
 78 <222> LOCATION: (3)..(54)
 79 <223> OTHER INFORMATION: N = A, C, G, or T/U
 81 <400> SEQUENCE: 5

W--> 82 ctnaarccna ayatgctnaa rccnaayatg ctnaarccna ayatgctnaa rccnaayatg 60

85 <210> SEQ ID NO: 6
 86 <211> LENGTH: 60
 87 <212> TYPE: DNA
 88 <213> ORGANISM: Artificial Sequence
 90 <220> FEATURE:
 91 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 92 Primer
 94 <220> FEATURE:
 95 <221> NAME/KEY: modified_base
 96 <222> LOCATION: (7)..(52) *what about "n" at location 58?*
 97 <223> OTHER INFORMATION: N = A, C, G or T/U
 99 <400> SEQUENCE: 6

W--> 100 catrttnggy ttnagcatrt tnggyttnag catrttnggy ttnagcatrt tnggyttnag 60

103 <210> SEQ ID NO: 7
 104 <211> LENGTH: 25
 105 <212> TYPE: DNA
 106 <213> ORGANISM: Artificial Sequence
 108 <220> FEATURE:
 109 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 110 Primer
 112 <220> FEATURE:
 113 <221> NAME/KEY: modified_base
 114 <222> LOCATION: (12)..(18)
 115 <223> OTHER INFORMATION: N = A, C, G or T/U
 117 <400> SEQUENCE: 7

W--> 118 aaagaattcc tnaarccnaa yatgc

25

121 <210> SEQ ID NO: 8
 122 <211> LENGTH: 27
 123 <212> TYPE: DNA
 124 <213> ORGANISM: Artificial Sequence
 126 <220> FEATURE:
 127 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 128 Primer
 130 <220> FEATURE:
 131 <221> NAME/KEY: modified_base
 132 <222> LOCATION: (18)..(24)

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133 <223> OTHER INFORMATION: N = A, C, G or T/U
135 <400> SEQUENCE: 8
W--> 136 aaagcggccg ccatrttngg yttnagc 27
139 <210> SEQ ID NO: 9
140 <211> LENGTH: 20
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
146     Primer
148 <400> SEQUENCE: 9
149 taatacgact cactataggg 20
152 <210> SEQ ID NO: 10
153 <211> LENGTH: 19
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
159     Primer
161 <400> SEQUENCE: 10
162 cgatcaataa cgagtcgcc 19
165 <210> SEQ ID NO: 11
166 <211> LENGTH: 48
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
172     Primer
174 <220> FEATURE:
175 <221> NAME/KEY: modified_base
176 <222> LOCATION: (3)..(48)
177 <223> OTHER INFORMATION: N = A, C, G or T/U
179 <400> SEQUENCE: 11
W--> 180 gtngtntayc cngtngtnta yccngtngtn tayccngtng tntayccn 48
183 <210> SEQ ID NO: 12
184 <211> LENGTH: 48
185 <212> TYPE: DNA
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
190     Primer
192 <220> FEATURE:
193 <221> NAME/KEY: modified_base
194 <222> LOCATION: (1)..(46)
195 <223> OTHER INFORMATION: N = A, C, G or T/U
197 <400> SEQUENCE: 12
W--> 198 nggrtanacn acnggrtana cnacnggrta nacnacnggr tanacnac 48
201 <210> SEQ ID NO: 13
202 <211> LENGTH: 33

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RAW SEQUENCE LISTING

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Output Set: N:\CRF4\03242004\I804733D.raw

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203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
208     Primer
210 <220> FEATURE:
211 <221> NAME/KEY: modified_base
212 <222> LOCATION: (12)..(33)
213 <223> OTHER INFORMATION: N = A, C, G or T/U
215 <400> SEQUENCE: 13
W--> 216 aaaggatccg tngtntaycc ngtngtntay ccn 33
219 <210> SEQ ID NO: 14
220 <211> LENGTH: 33
221 <212> TYPE: DNA
222 <213> ORGANISM: Artificial Sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
226     Primer
228 <220> FEATURE:
229 <221> NAME/KEY: modified_base
230 <222> LOCATION: (10)..(31)
231 <223> OTHER INFORMATION: N = A, C, G or T/U
233 <400> SEQUENCE: 14
W--> 234 cccaagcttn ggrrtanacna cnggrrtanac nac 33
237 <210> SEQ ID NO: 15
238 <211> LENGTH: 45
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
244     Primer
246 <220> FEATURE:
247 <221> NAME/KEY: modified_base
248 <222> LOCATION: (3)..(45)
249 <223> OTHER INFORMATION: N = A, C, G or T/U
251 <400> SEQUENCE: 15
W--> 252 gtncncncng tncncncngt nccncncngt cncncngtnc cncn 45
255 <210> SEQ ID NO: 16
256 <211> LENGTH: 45
257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
262     Primer
264 <220> FEATURE:
265 <221> NAME/KEY: modified_base
266 <222> LOCATION: (1)..(43)
267 <223> OTHER INFORMATION: N = A, C, G or T/U
269 <400> SEQUENCE: 16

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RAW SEQUENCE LISTING

DATE: 03/24/2004

PATENT APPLICATION: US/09/804,733D

TIME: 15:55:24

Input Set : D:\Mons016.app

Output Set: N:\CRF4\03242004\I804733D.raw

W--> 270 **nggnggnacn gngngnacng gnggnacngg nggnacnggn ggnac** 45
 273 <210> SEQ ID NO: 17
 274 <211> LENGTH: 36
 275 <212> TYPE: DNA
 276 <213> ORGANISM: Artificial Sequence
 278 <220> FEATURE:
 279 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 280 Primer
 282 <220> FEATURE:
 283 <221> NAME/KEY: modified_base
 284 <222> LOCATION: (12)..(36)
 285 <223> OTHER INFORMATION: N = A, C, G or T/U
 287 <400> SEQUENCE: 17

W--> 288 **aaagatccg tncncngt nccncngtn cncnc** 36
 291 <210> SEQ ID NO: 18
 292 <211> LENGTH: 36
 293 <212> TYPE: DNA
 294 <213> ORGANISM: Artificial Sequence
 296 <220> FEATURE:
 297 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 298 Primer
 300 <220> FEATURE:
 301 <221> NAME/KEY: modified_base
 302 <222> LOCATION: (10)..(34)
 303 <223> OTHER INFORMATION: N = A, C, G or T/U
 305 <400> SEQUENCE: 18

W--> 306 **aataagcttn gngngnacng gnggnacngg nggnac** 36
 309 <210> SEQ ID NO: 19
 310 <211> LENGTH: 8
 311 <212> TYPE: PRT
 312 <213> ORGANISM: Artificial Sequence
 314 <220> FEATURE:
 315 <223> OTHER INFORMATION: Description of Artificial Sequence:m Synthetic
 316 Peptide
 318 <400> SEQUENCE: 19
 319 Val Pro Pro Leu Lys Pro Asn Met
 320 1 5
 323 <210> SEQ ID NO: 20
 324 <211> LENGTH: 48
 325 <212> TYPE: DNA
 326 <213> ORGANISM: Artificial Sequence
 328 <220> FEATURE:
 329 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 330 Primer
 332 <220> FEATURE:
 333 <221> NAME/KEY: modified_base
 334 <222> LOCATION: (3)..(42)
 335 <223> OTHER INFORMATION: N = A, C, G or T/U
 337 <400> SEQUENCE: 20

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/804,733D

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TIME: 15:55:25

Input Set : D:\Mons016.app
Output Set: N:\CRF4\03242004\I804733D.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 3,9
Seq#:5; N Pos. 3,9,18,24,33,39,48,54
Seq#:6; N Pos. 7,13,22,28,37,43,52,58
Seq#:7; N Pos. 12,18
Seq#:8; N Pos. 18,24
Seq#:11; N Pos. 3,6,12,15,18,24,27,30,36,39,42,48
Seq#:12; N Pos. 1,7,10,13,19,22,25,31,34,37,43,46
Seq#:13; N Pos. 12,15,21,24,27,33
Seq#:14; N Pos. 10,16,19,22,28,31
Seq#:15; N Pos. 3,6,9,12,15,18,21,24,27,30,33,36,39,42,45
Seq#:16; N Pos. 1,4,7,10,13,16,19,22,25,28,31,34,37,40,43
Seq#:17; N Pos. 12,15,18,21,24,27,30,33,36
Seq#:18; N Pos. 10,13,16,19,22,25,28,31,34
Seq#:20; N Pos. 3,6,9,12,18,27,30,33,36,42
Seq#:21; N Pos. 7,13,16,19,22,31,37,40,43,46
Seq#:22; N Pos. 13,16,19,22,28,37,40,43,46,52
Seq#:23; N Pos. 19,25,28,31,34,40,43,46,55,61,64,67,70,76,79,82
Seq#:25; N Pos. 3,6,9,15,18,21,24,30,39,42,45,51,54,57,60,66
Seq#:26; N Pos. 7,13,16,19,22,28,31,34,43,49,52,55,58,64,67,70
Seq#:27; N Pos. 13,16,19,25,28,31,34,40,49,52,55,61,64,67,70,76
Seq#:28; N Pos. 19,25,28,31,34,40,43,46,55,61,64,67,70,76,79,82
Seq#:30; N Pos. 3,9,18,24,33,39,48,54,63,69,78,84,93,99,108,114,123,129,138
Seq#:30; N Pos. 144,153,159,168,174,183,189,198,204,213,219,228,234,243,249
Seq#:30; N Pos. 258,264,273,279,288,294,303,309,318,324,333,339,348,354,363
Seq#:30; N Pos. 369,378,384,393,399,408,414,423,429,438,444,453,459,468,474
Seq#:30; N Pos. 483,489,498,504,513,519,528,534,543,549,558,564,573,579,588
Seq#:30; N Pos. 594,603,609
Seq#:31; N Pos. 3,9,18,24,33,39,48,54,63,69,78,84,93,99,108,114,123,129,138
Seq#:31; N Pos. 144,153,159,168,174,183,189,198,204,213,219,228,234,243,249
Seq#:31; N Pos. 258,264,273,279,288,294,303,309,318,324,329,335,344,350,359
Seq#:31; N Pos. 365,374,380,385,391

VERIFICATION SUMMARY

DATE: 03/24/2004

PATENT APPLICATION: US/09/804,733D

TIME: 15:55:25

Input Set : D:\Mons016.app

Output Set: N:\CRF4\03242004\I804733D.raw

L:64 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:82 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:100 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
M:341 Repeated in SeqNo=23
L:425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
M:341 Repeated in SeqNo=25
L:444 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
M:341 Repeated in SeqNo=26
L:463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
M:341 Repeated in SeqNo=27
L:482 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
M:341 Repeated in SeqNo=28
L:511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
M:341 Repeated in SeqNo=30
L:539 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
M:341 Repeated in SeqNo=31